Test Type: 14-DAY Route: DOSED FEED

C Number:

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

C99007

Lock Date: 10/11/2001

Cage Range: ΑII

Date Range: ΑII

Reasons For Removal: ΑII

Removal Date Range: ΑII

Treatment Groups: ΑII

Study Gender: Both

PWG Approval Date NONE

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

Route: DOSED FEED

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

MAIE MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

	טאו	IVIDUAL SURVIVAL TIMES (DAY	o)	
DOSE = VEHICLE CONTROL				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 1560 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 3121 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 6250 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY
Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Male MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

	IND	INIDUAL SOLVIVAL TIMES (DATA	?)	
DOSE = 12500 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 25000 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 50000 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Male MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	15(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1560 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3121 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6250 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12500 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY **Route:** DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Male MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS

DOSE	VEHICLE CONTROL	1560 PPM	3121 PPM	6250 PPM	
SURVIVAL AT END OF STUDY	100.0%	100.0%	100.0%	100.0%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)		•			
(STANDARD ERROR)	(.)	(.)	(.)	(.)	
MEAN LIFE SPAN (D)	15.0	15.0	15.0	15.0	
(STANDARD ERROR)	(0.0)	(0.0)	(0.0)	(0.0)	

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY **Route:** DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Male MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS

DOSE	12500 PPM	25000 PPM	50000 PPM	
SURVIVAL AT END OF STUDY	100.0%	100.0%	100.0%	
(KAPLAN-MEIER)				
SIGNIFICANCE (B)				
(LIFE TABLE)				
MEAN DAY OF NATURAL DEATHS (C)			•	
(STANDARD ERROR)	(.)	(.)	(.)	
MEAN LIFE SPAN (D)	15.0	15.0	15.0	
(STANDARD ERROR)	(0.0)	(0.0)	(0.0)	

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

Route: DOSED FEED

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Female MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

		INIDOME SOLVINAL TIMES (DAT	9)	
DOSE = VEHICLE CONTROL TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS	GNOLINOUNLD DEATING U	OLINGOINED DEATING 0	I LIVINIIVAL J	
none				
CENSORED DEATH DAYS				
none				
DOSE = 1560 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 3121 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 6250 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Female MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

		IVIDUAL CONVINAL TIMES (DATE	-,	
DOSE = 12500 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 25000 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = 50000 PPM				
TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Female MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	15(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1560 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3121 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6250 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12500 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY **Route:** DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Female MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS

DOSE	VEHICLE CONTROL	1560 PPM	3121 PPM	6250 PPM	
SURVIVAL AT END OF STUDY	100.0%	100.0%	100.0%	100.0%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)					
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)					
(STANDARD ERROR)	(.)	(.)	(.)	(.)	
MEAN LIFE SPAN (D)	15.0	15.0	15.0	15.0	
(STANDARD ERROR)	(0.0)	(0.0)	(0.0)	(0.0)	

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

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Test Type: 14-DAY
Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number:** GOLDENSEALRT

Date Report Requested: 10/16/2014 Time Report Requested: 02:30:38

First Dose M/F: NA / NA

Lab: MBA

Female MOUSE FIRST TERMINAL SACRIFICE AT 15 DAYS

DOSE	12500 PPM	25000 PPM	50000 PPM	
SURVIVAL AT END OF STUDY	100.0%	100.0%	100.0%	
(KAPLAN-MEIER)				
SIGNIFICANCE (B)				
(LIFE TABLE)				
MEAN DAY OF NATURAL DEATHS (C)			•	
(STANDARD ERROR)	(.)	(.)	(.)	
MEAN LIFE SPAN (D)	15.0	15.0	15.0	
(STANDARD ERROR)	(0.0)	(0.0)	(0.0)	

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Goldenseal root powder **CAS Number: GOLDENSEALRT**

First Dose M/F: NA / NA

Date Report Requested: 10/16/2014

Time Report Requested: 02:30:38

Lab: MBA

** END OF REPORT **

⁽A) FIRST TERMINAL SACRIFICE

⁽B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

⁽C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

⁽D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)